

FIG. 1

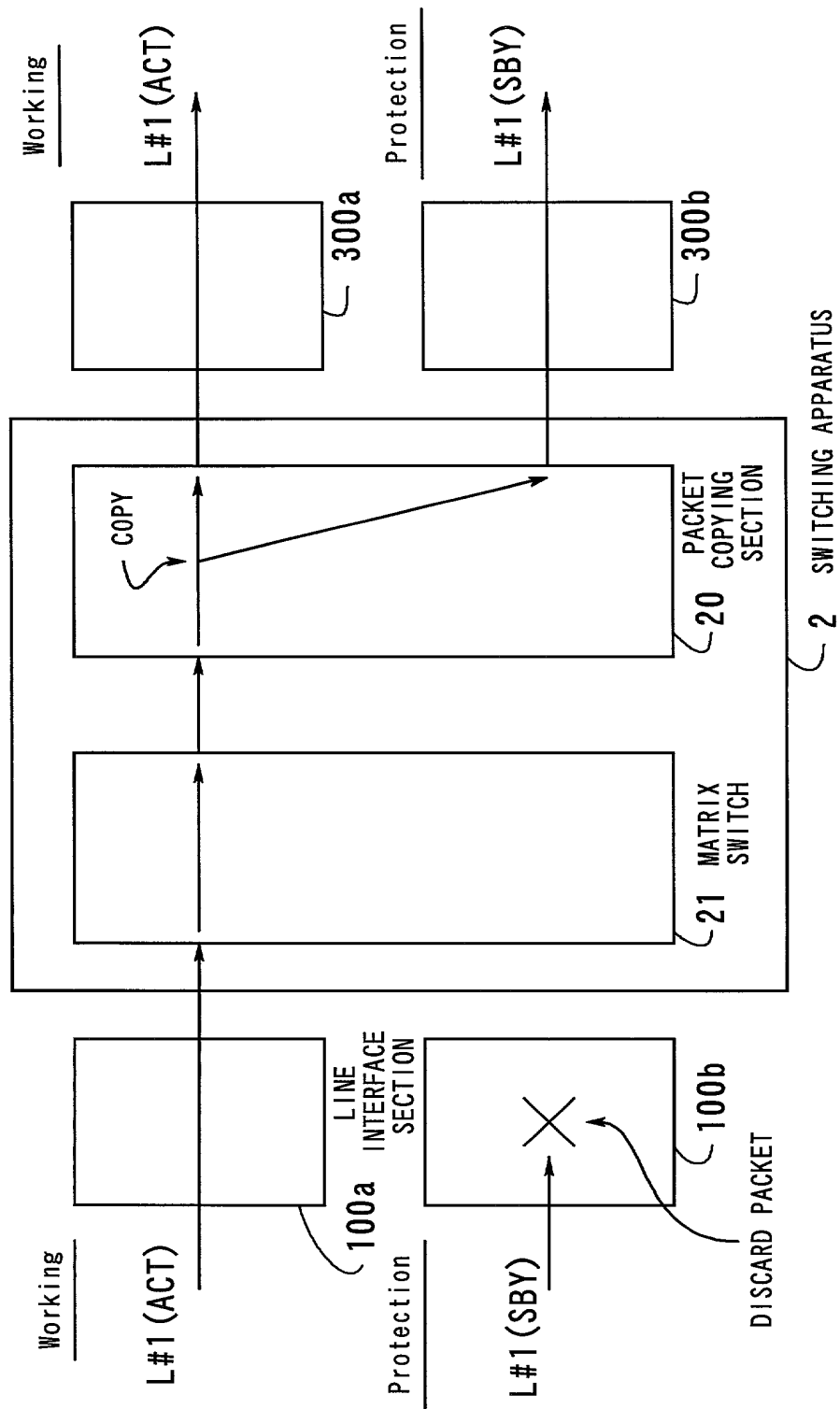


FIG. 2

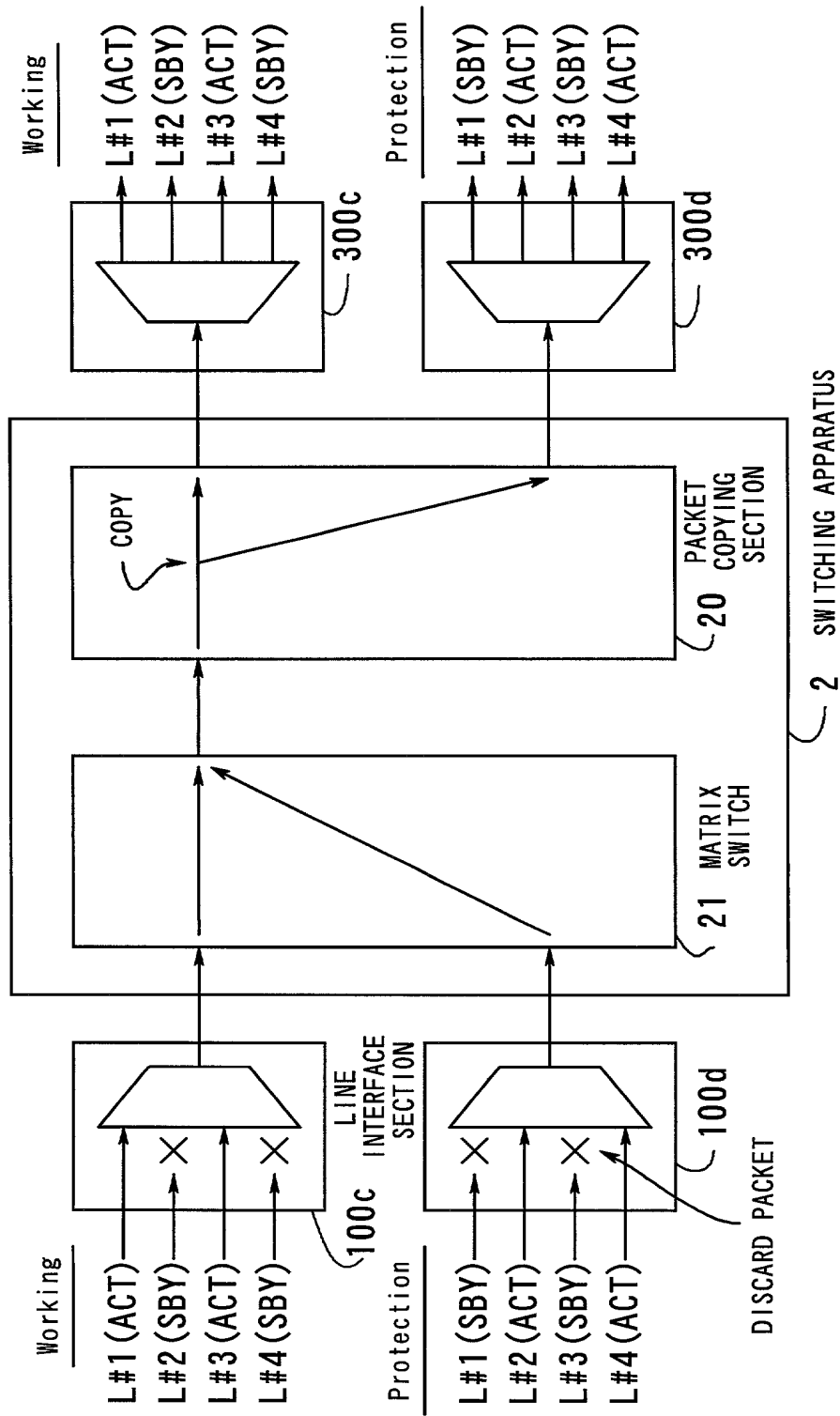


FIG. 3

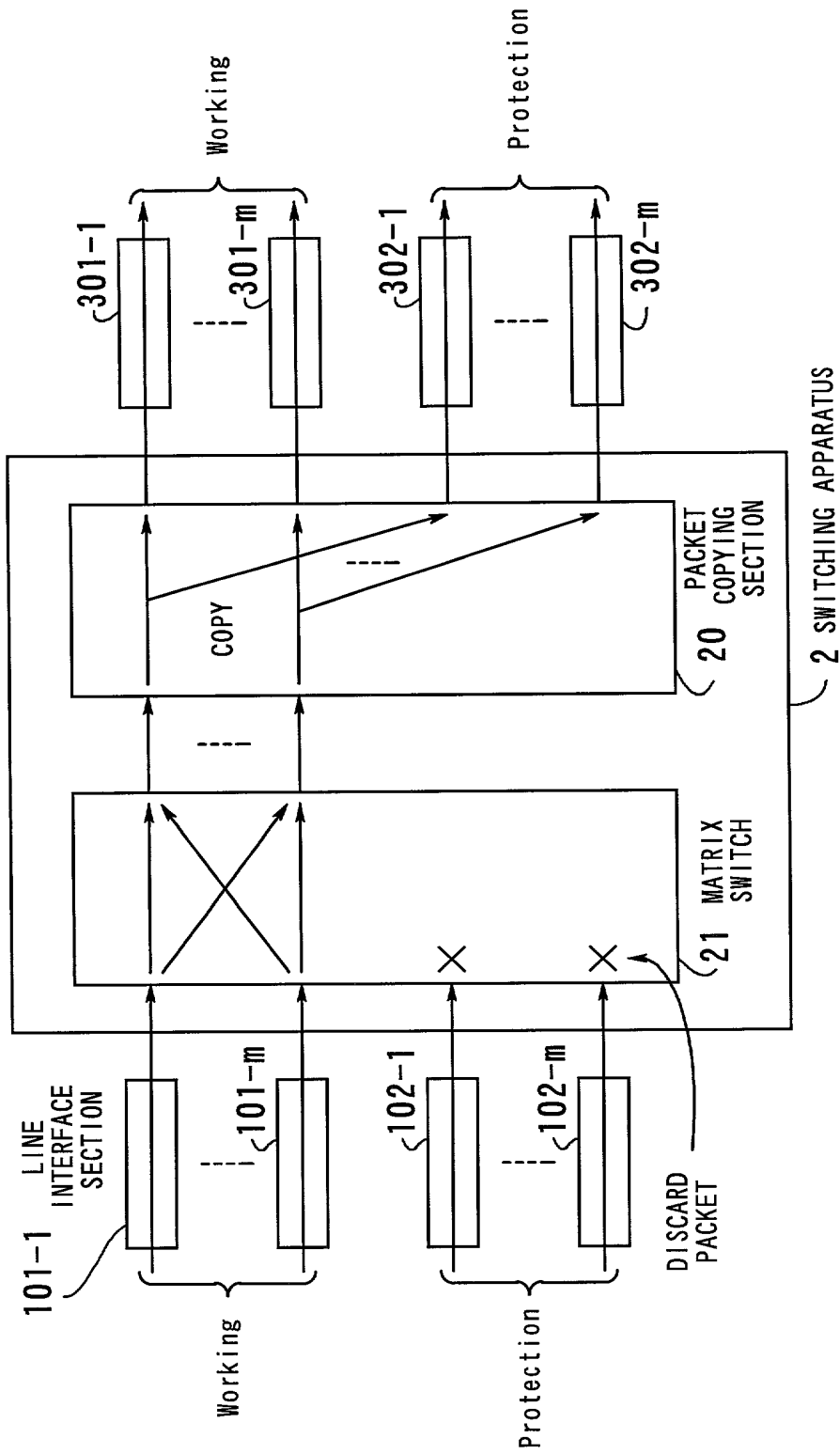


FIG. 4

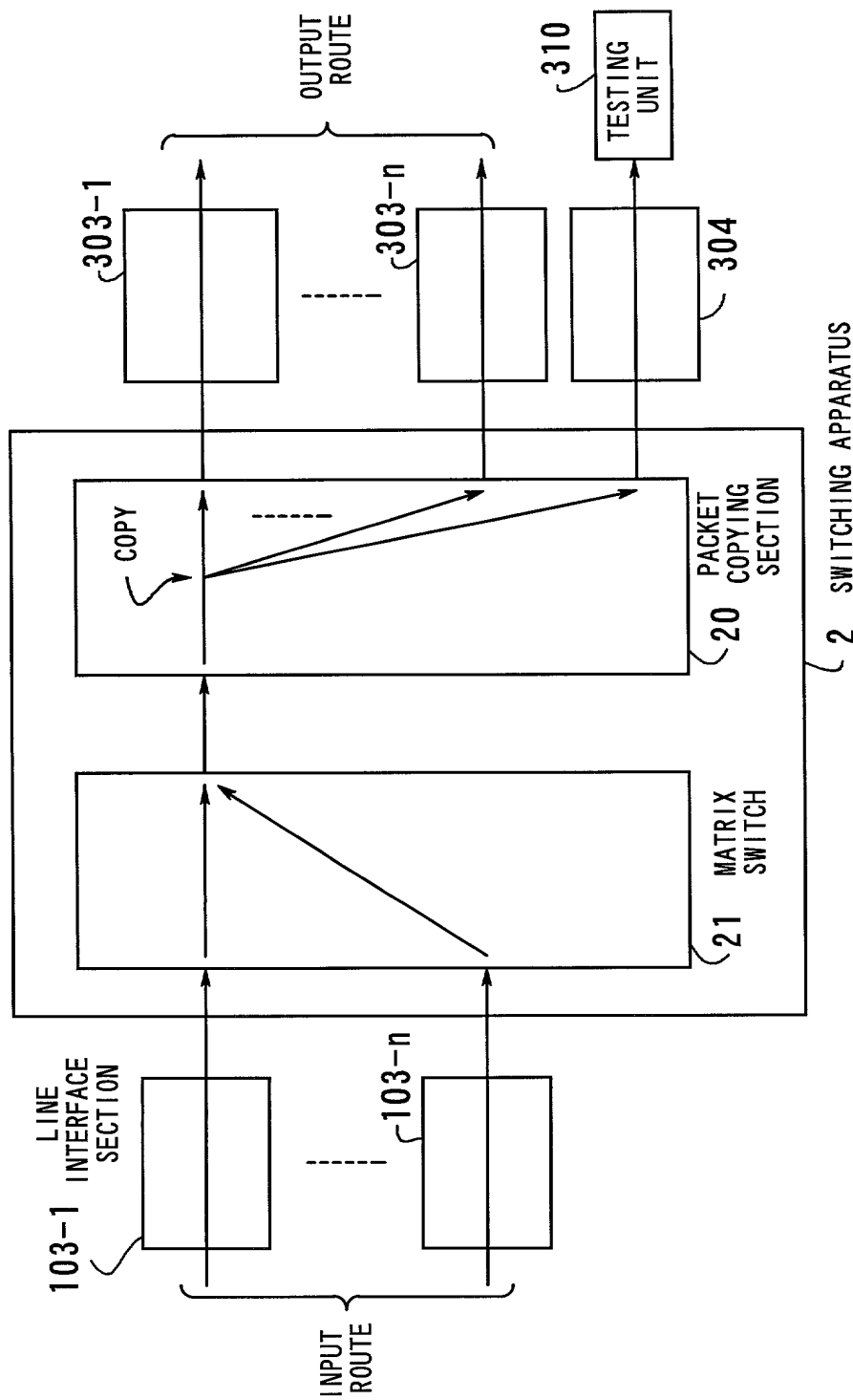


FIG. 5

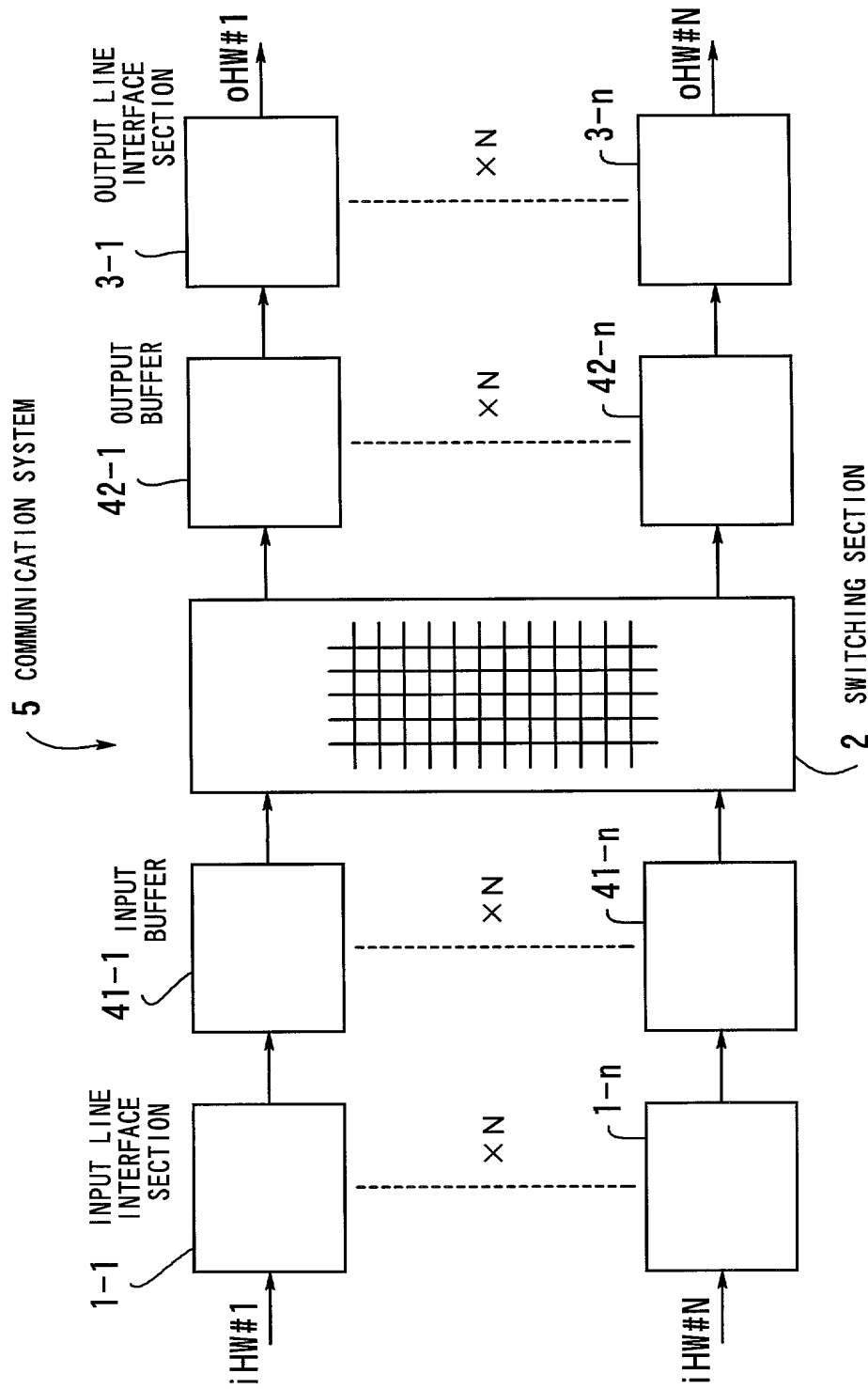


FIG. 6

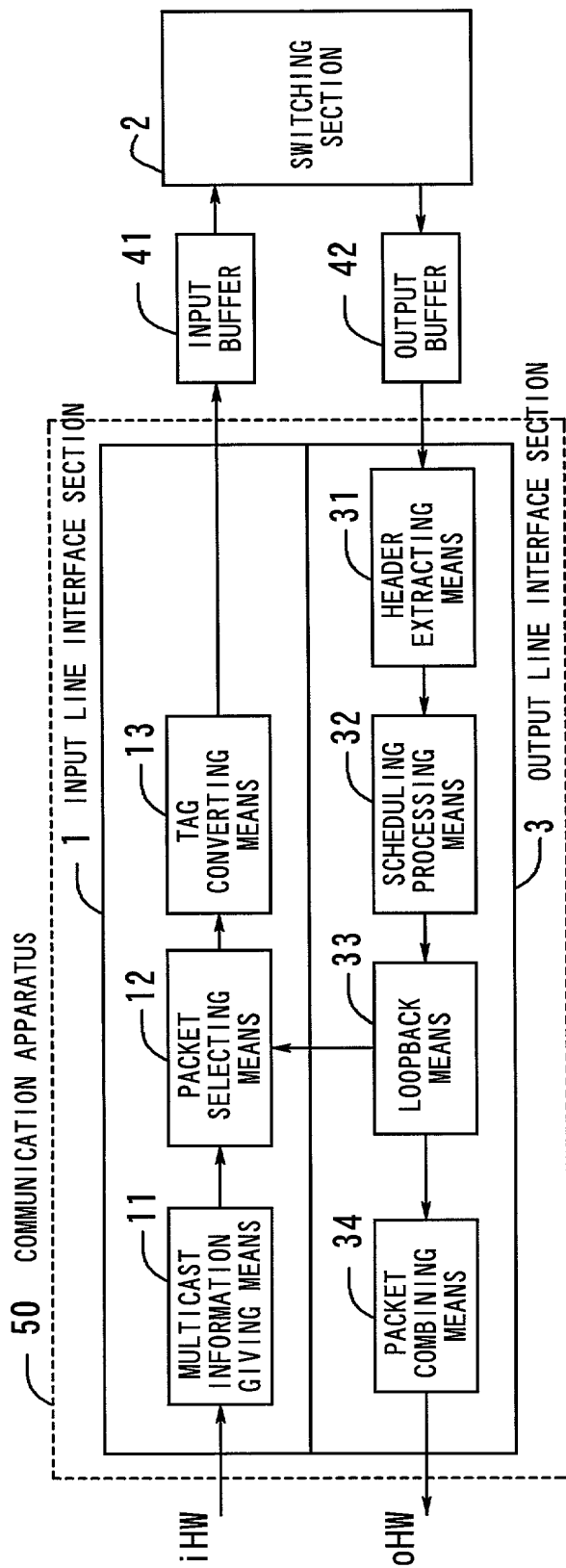


FIG. 7

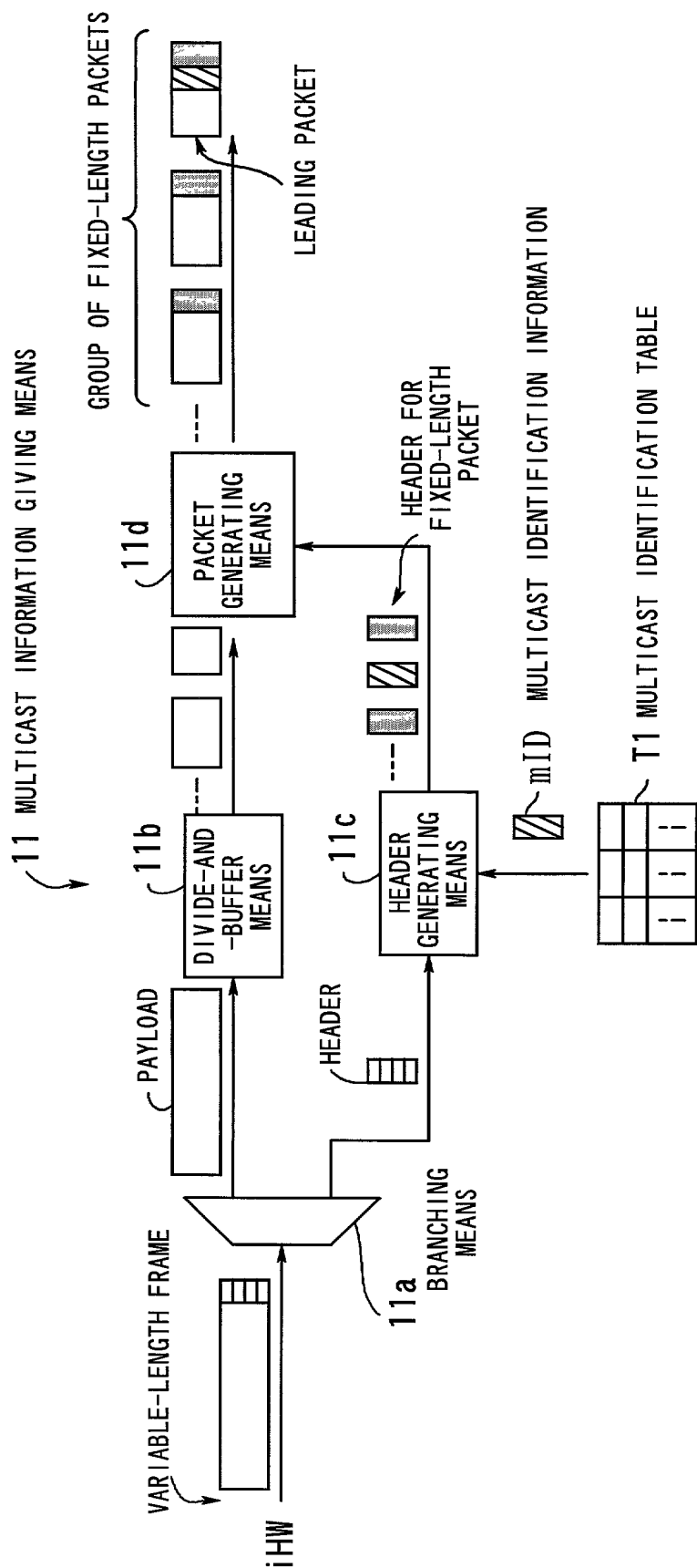


FIG. 8

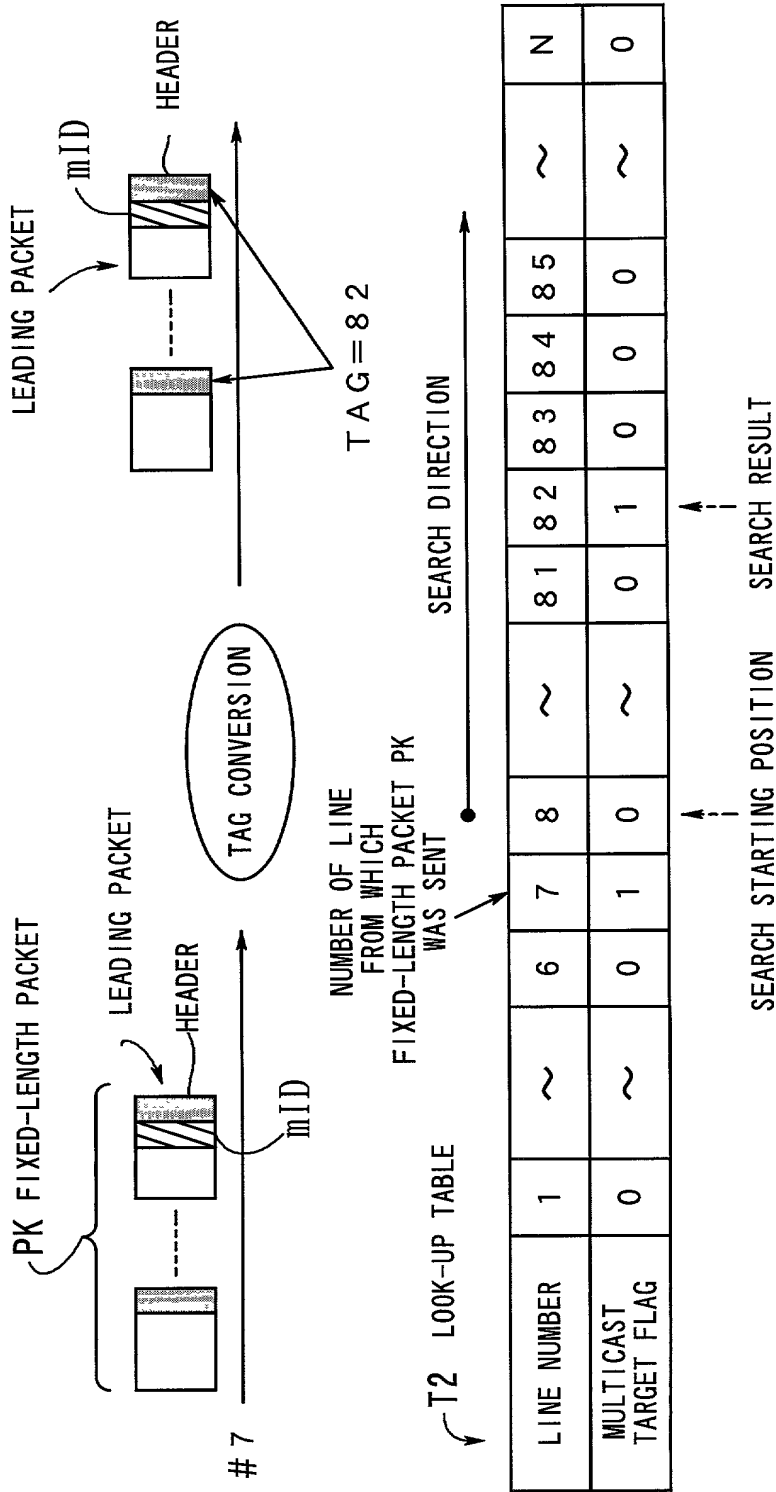


FIG. 9

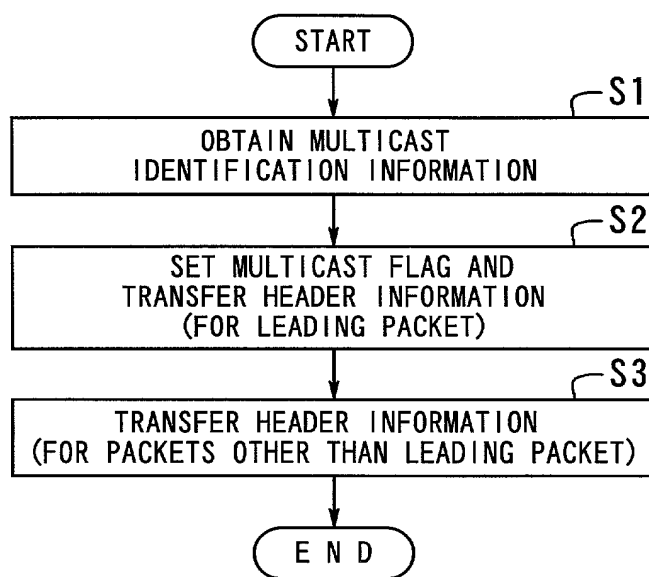


FIG. 10

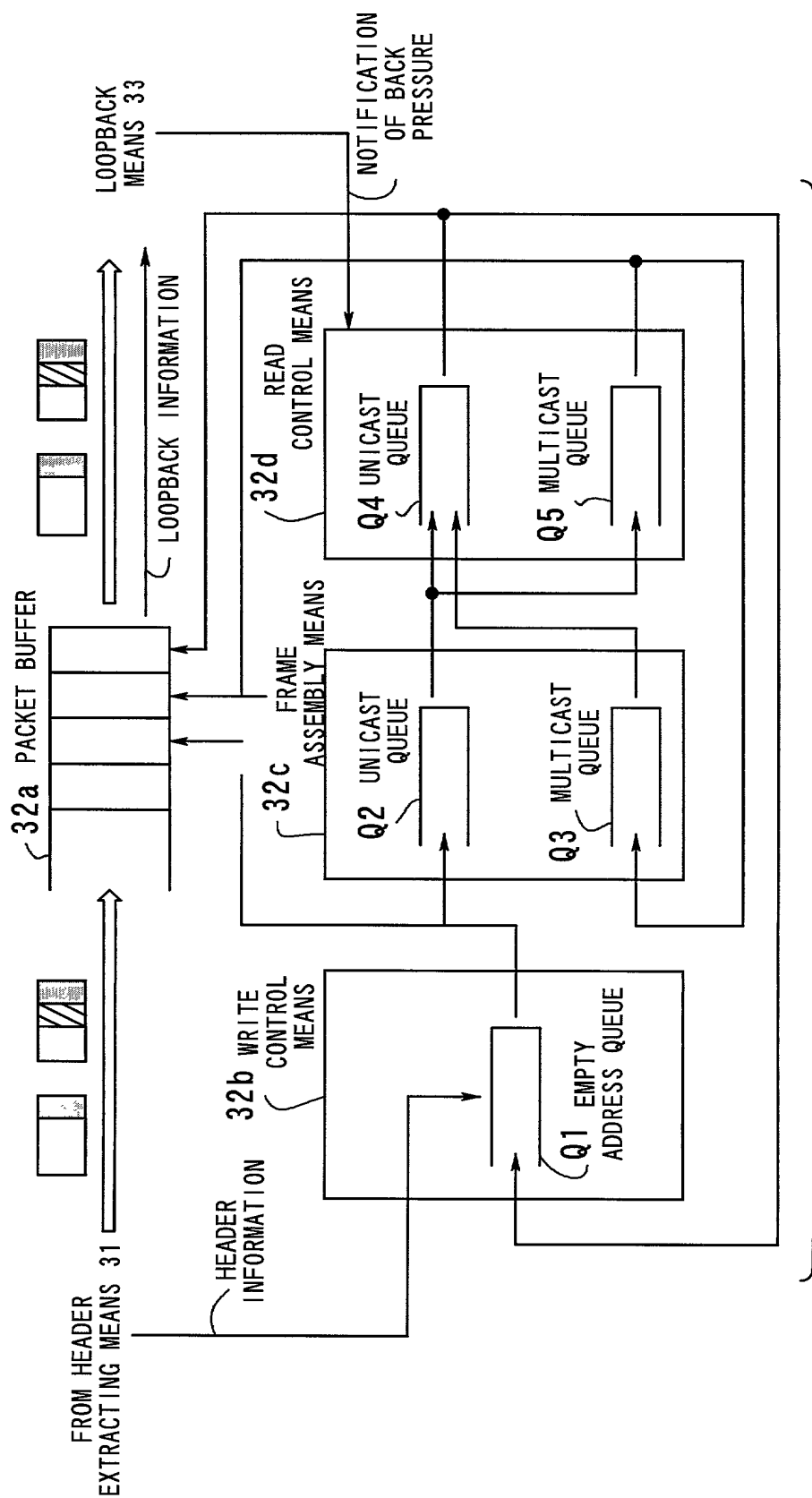


FIG. 11 32 SCHEDULING PROCESSING MEANS

PACKET SELECTING MEANS 12

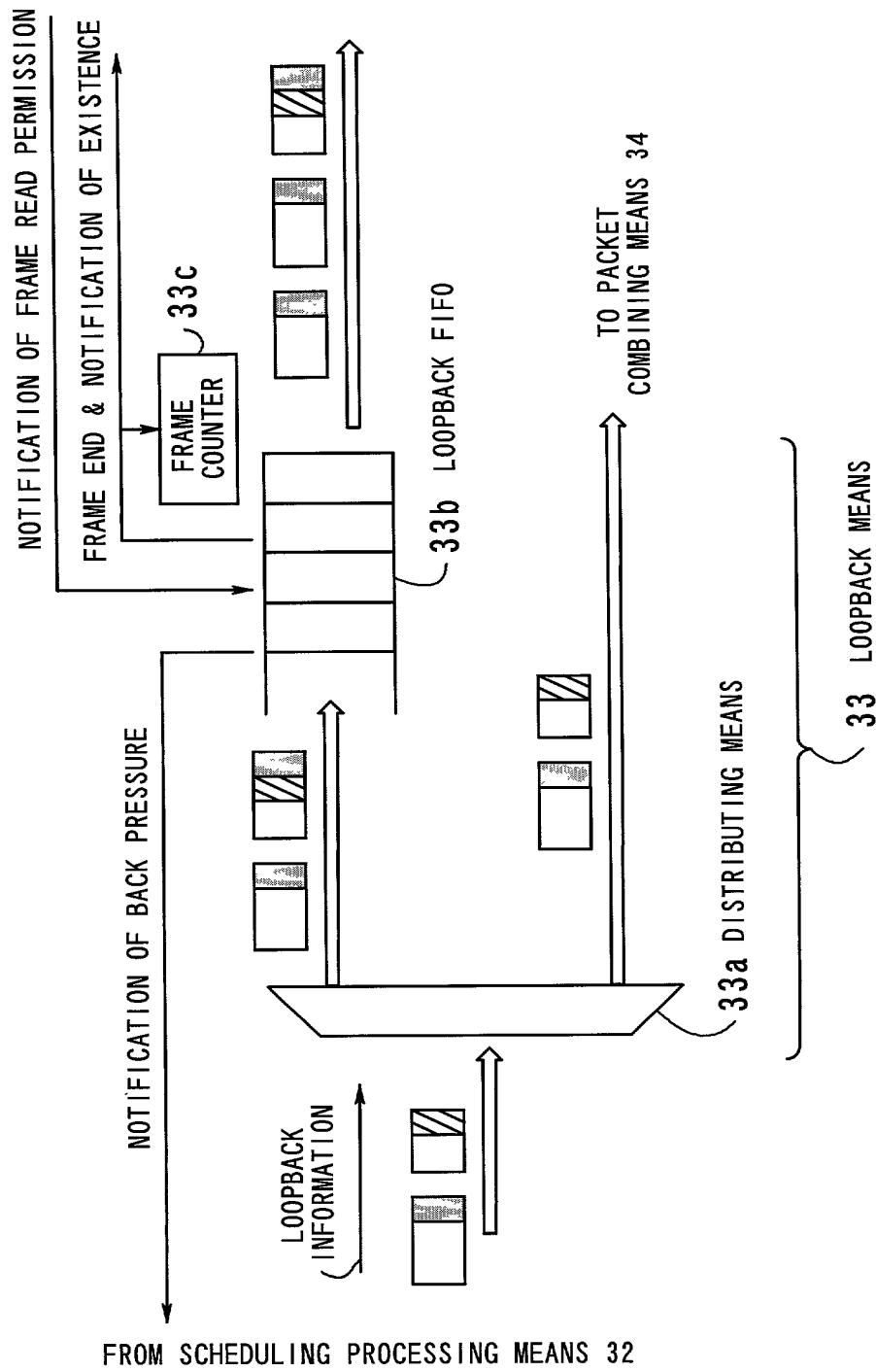


FIG. 12

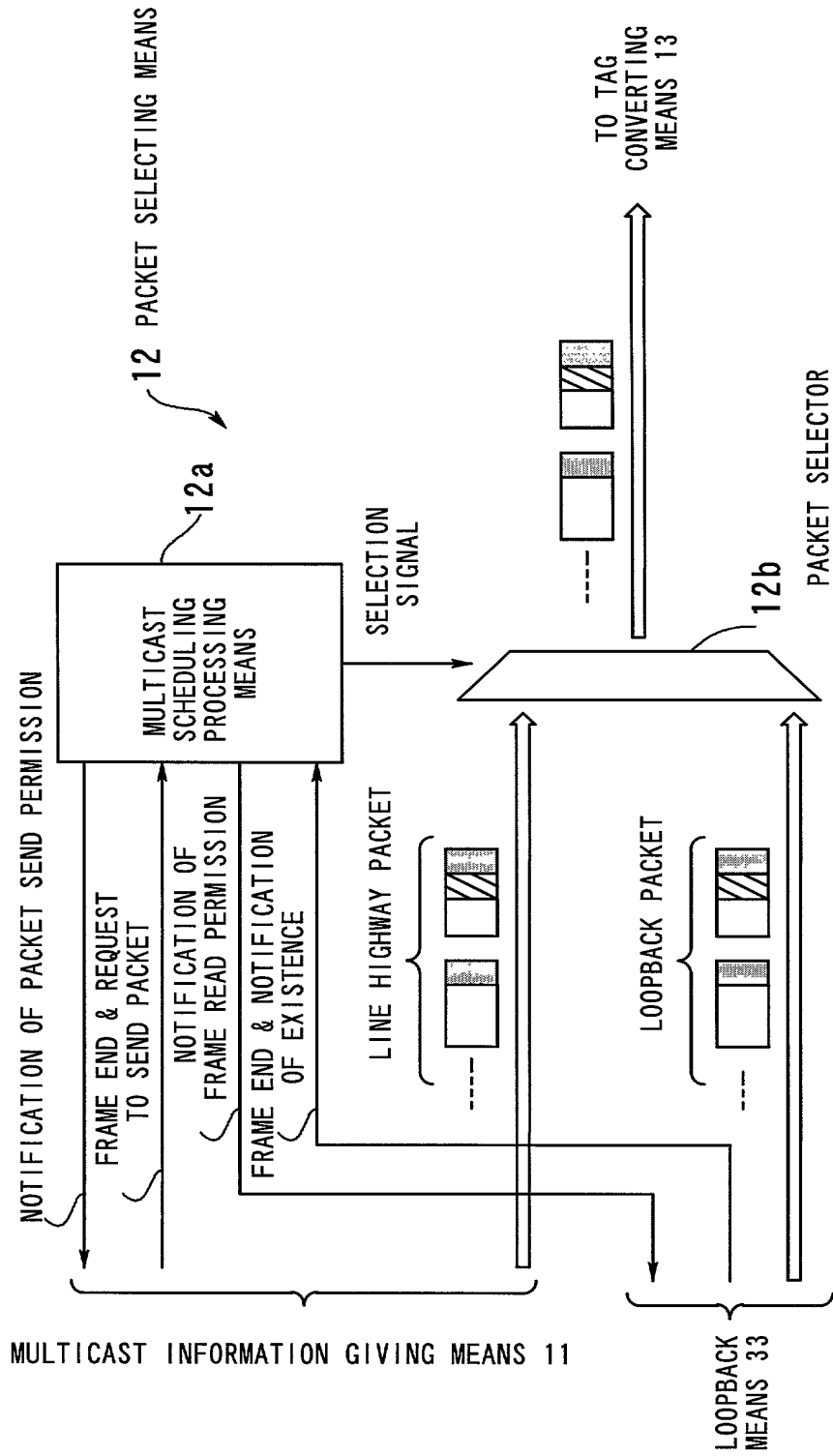


FIG. 13

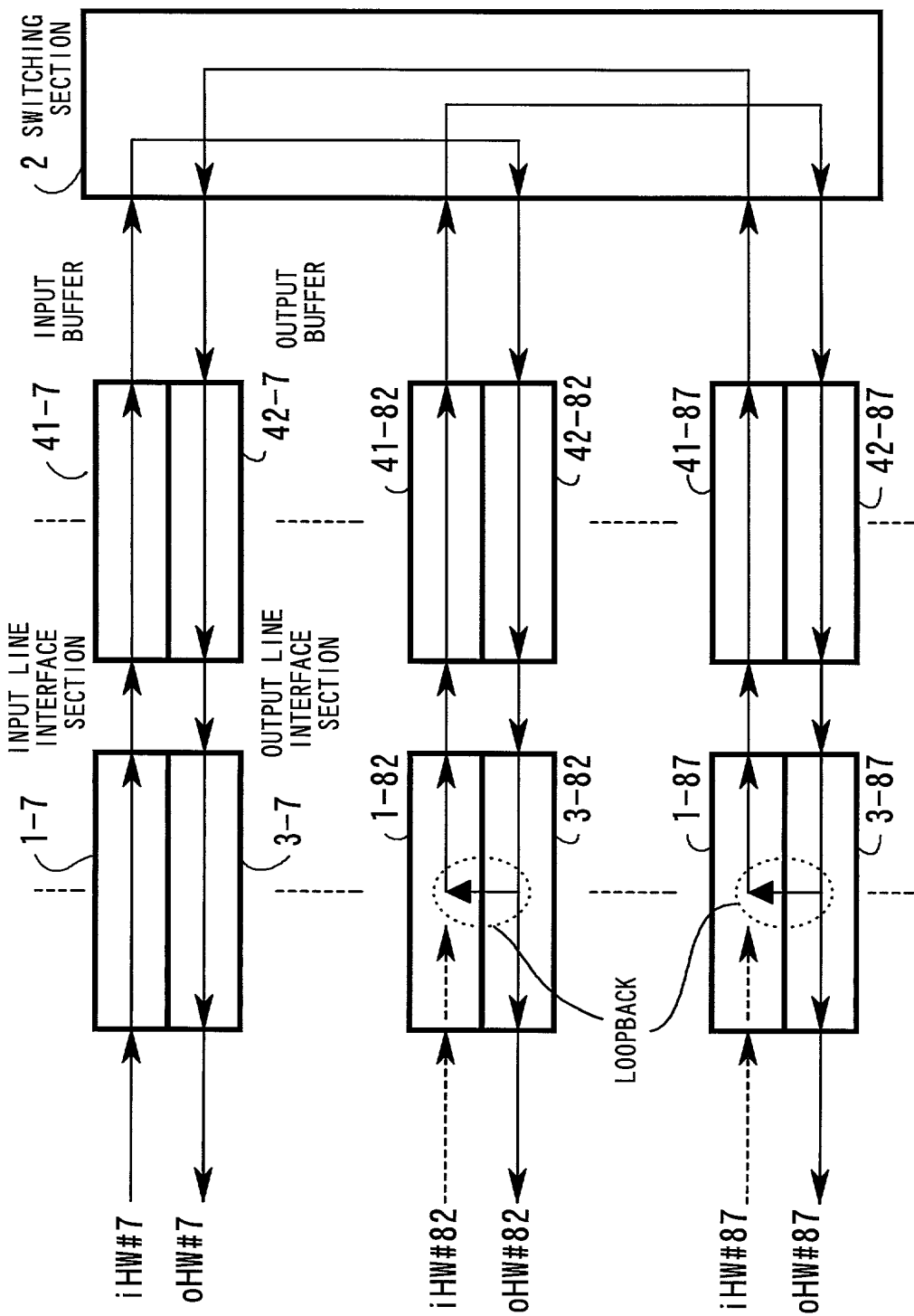


FIG. 14

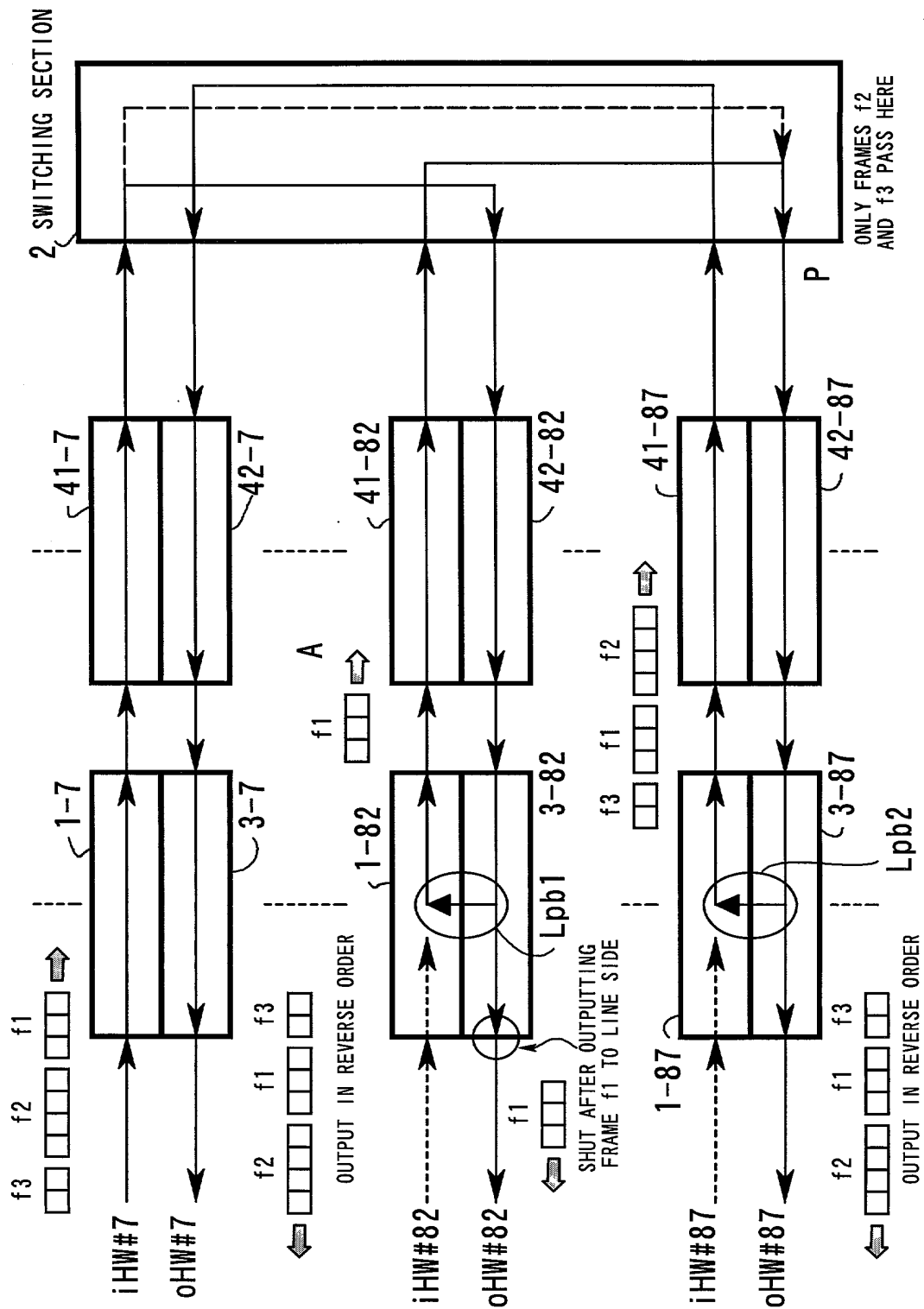


FIG. 15

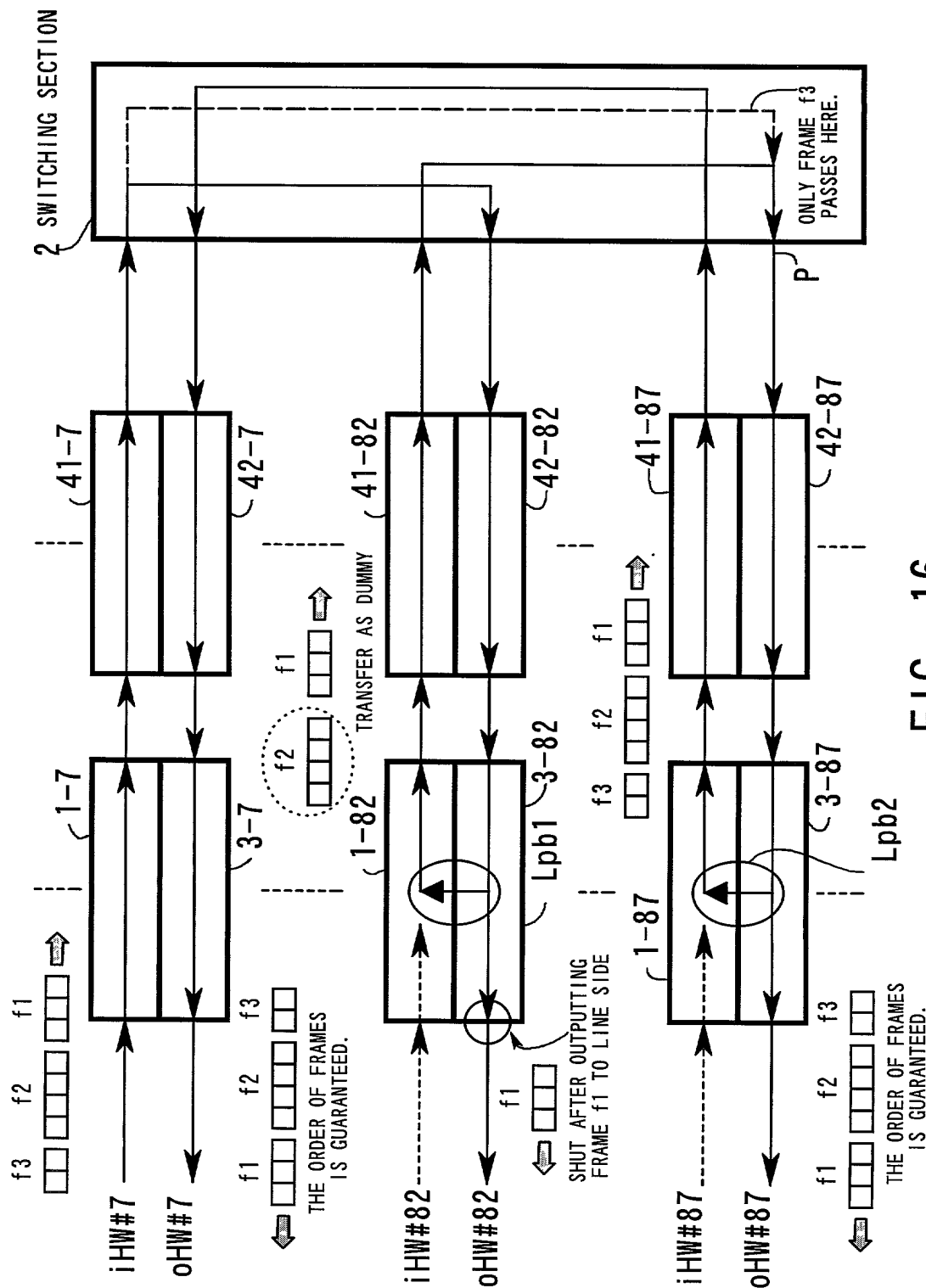
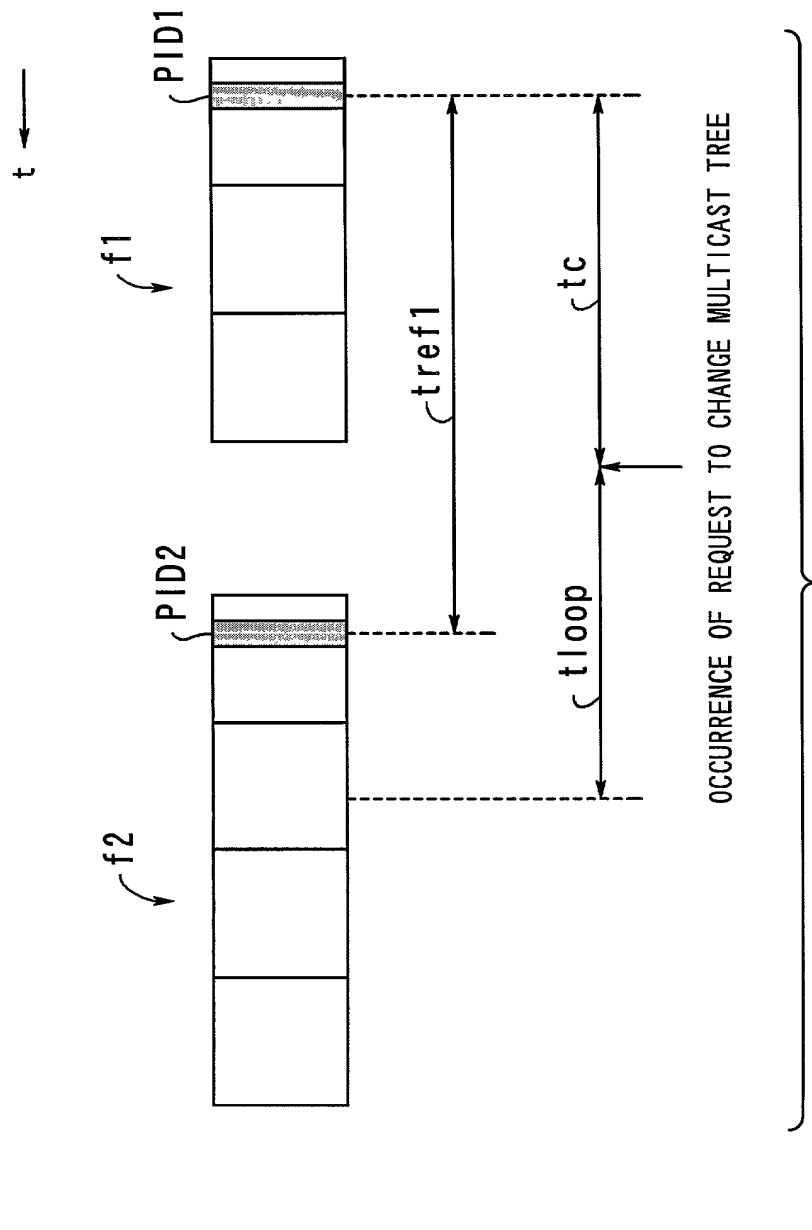
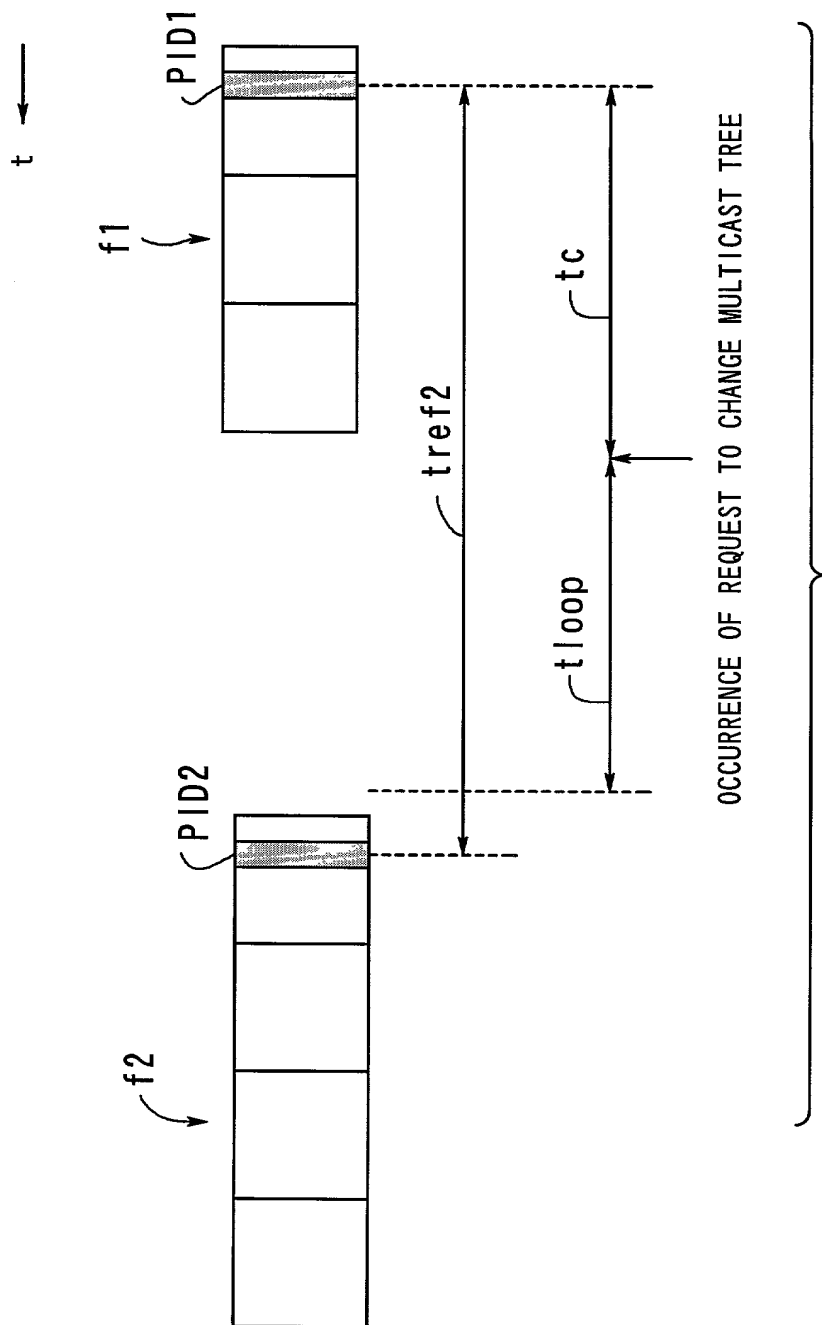


FIG. 16



IF $t_{ref1} < (t_c + t_{loop})$, THERE IS A POSSIBILITY
 THAT REVERSION OF THE ORDER
 OF FRAMES f_1 AND f_2 OCCURS. \Rightarrow FRAME f_2 IS TRANSFERRED TO A MULTICAST ROUTE
 TO WHICH FRAME f_1 WAS TRANSFERRED.

FIG. 17



IF $t_{ref2} > (t_c + t_{loop})$, THERE IS NO POSSIBILITY
 THAT REVERSION OF THE ORDER
 OF FRAMES $f1$ AND $f2$ OCCURS. \Rightarrow FRAME $f2$ IS TRANSFERRED TO
 A CHANGED MULTICAST ROUTE.

FIG. 18

T3 TIME MANAGEMENT TABLE

T3a		T3b		T3c		T3d		T3e
MULTICAST TARGET LINE FLAG		LAST PID REFERENCE TIME		REQUEST TIME FOR MULTICAST CHANGE (t _c)		NUMBER OF REDUCED LINES (K)		MULTICAST TREE FALLING OFF TARGET LINE FLAG
0	~ 7 ~ 82 ~ 87 88 ~ N-1							0 ~ 81 82 83 ~ N-1
0	~ 1 ~ 1 ~ 1 0 ~ 0	0		1 0		1		0 ~ 0 1 0 ~ 0
...	

PID

R1

CURRENT TIME SETTING REGISTER

5000

R2

TIME SETTING REGISTER FOR STORING LOOPBACK TIME PER LINE tloop

4996

FIG. 19

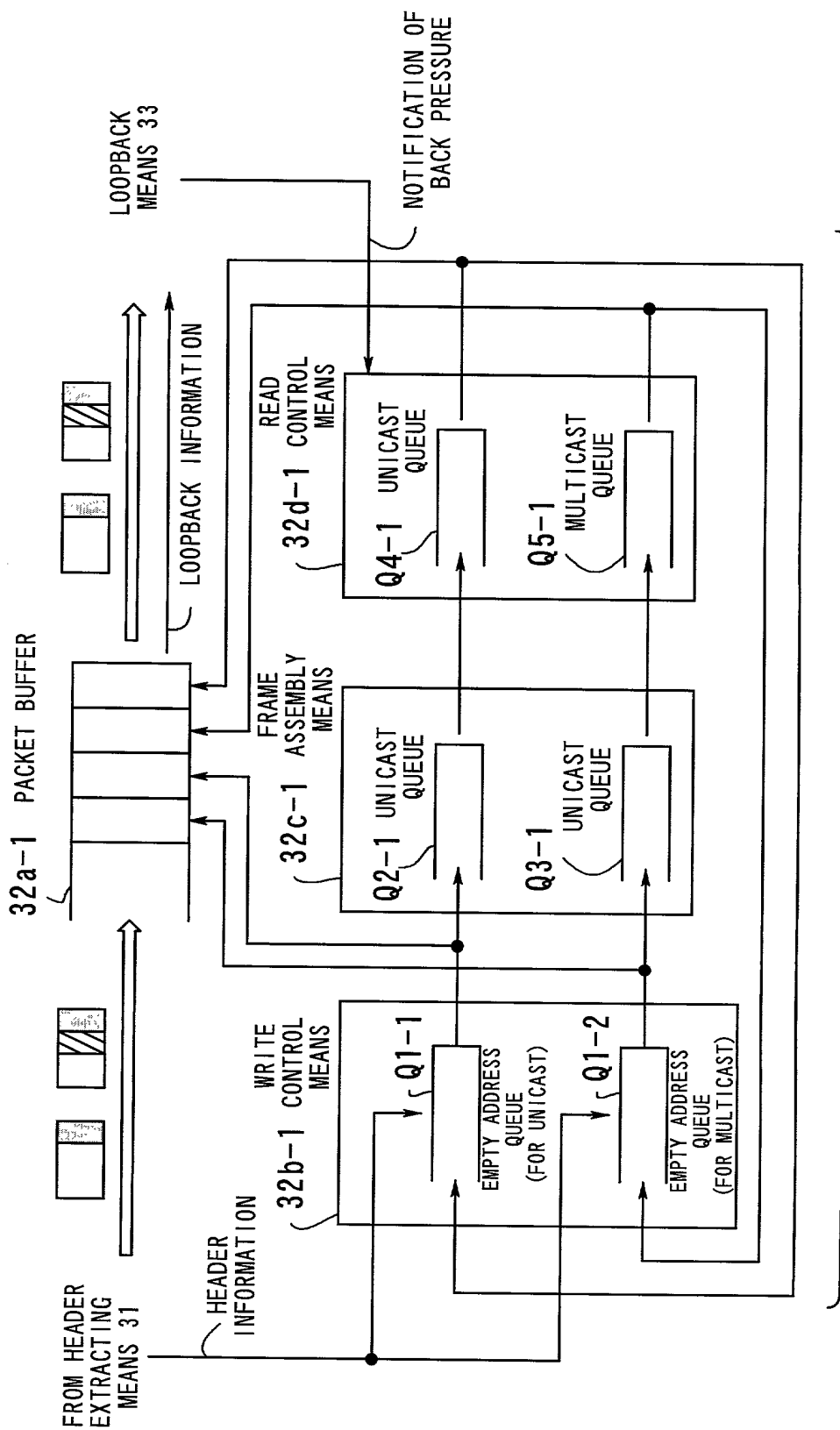
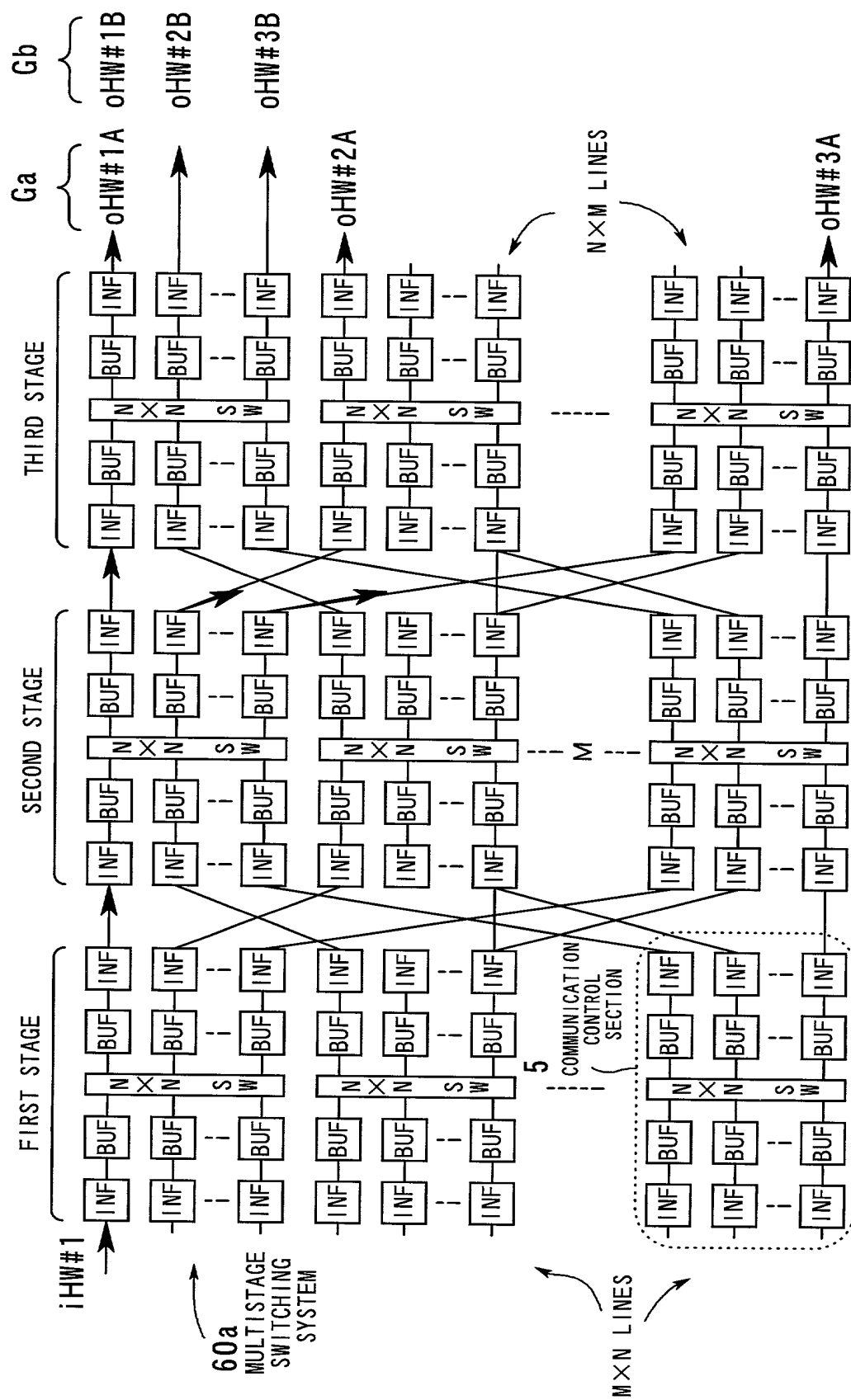


FIG. 20 32-1 SCHEDULING PROCESSING MEANS



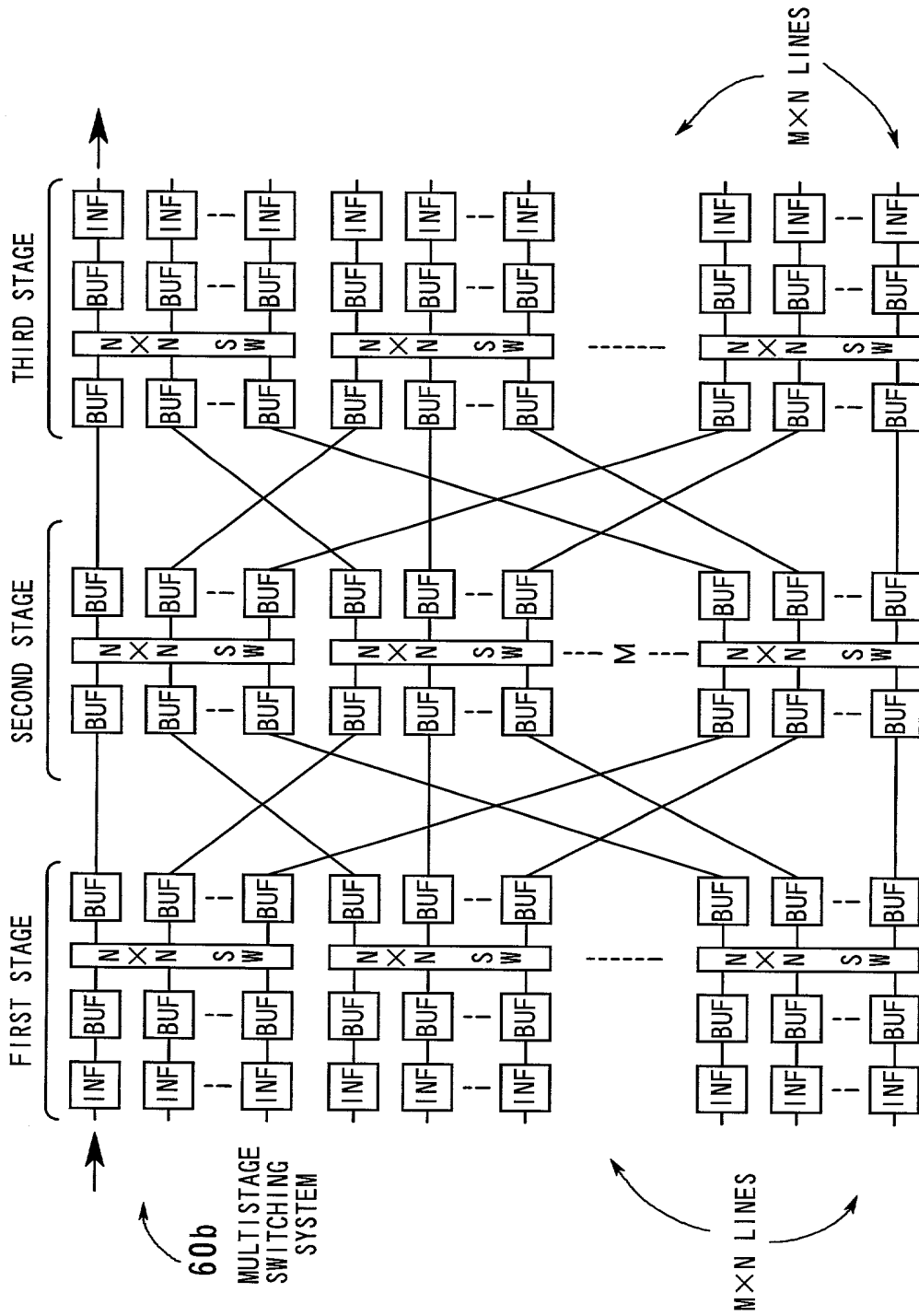


FIG. 22

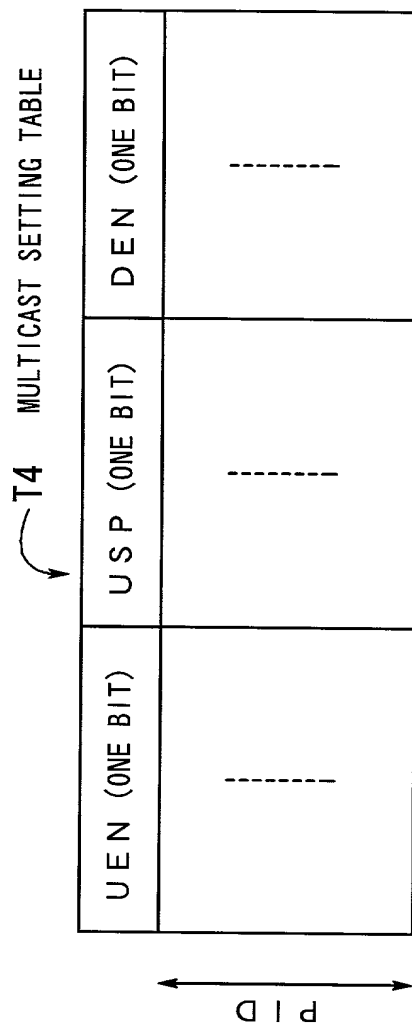


FIG. 23

